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ENVIRONMENTAL
PHOTOGRAPHY
19 APR 22 11 31 AM '97



GETTLER-RYAN INC.

April 18, 1997

Mr. Brett Hunter
Chevron Products Company
P.O. Box 6004
San Ramon, CA 94583

• Measure biodegradation parameters

incl. DO, SO₄, Fe²⁺

Job #529080

try ORC is O₂ is limiting factor in MW-1, MW-4
and MW-9

• is RBCA coming?

Re: First Quarter Groundwater Monitoring & Sampling Report
Chevron Service Station #9-5542
7007 San Ramon Valley Road
Dublin, California

Dear Mr. Hunter:

This report documents the quarterly groundwater sampling event performed by Gettler-Ryan Inc. (G-R). On March 11, 1997, field personnel were on-site to monitor and sample nine wells (MW-1 through MW-4 and MW-6 through MW-10) at Chevron Service Station #9-5542 located at 7007 San Ramon Valley Road in Dublin, California. One well, MW-5, was not located.

Static groundwater levels were measured on March 11, 1997. All wells were checked for the presence of separate-phase hydrocarbons. Separate-phase hydrocarbons were not present in any of the wells. Static water level data and groundwater elevations are presented in Table 1. A potentiometric map is included as Figure 1.

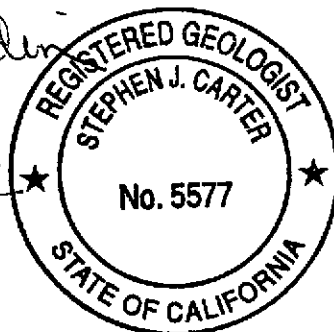
Groundwater samples were collected from the monitoring wells as specified by G-R Standard Operating Procedure - Groundwater Sampling (attached). The field data sheets forms for this event are also attached. The samples were analyzed by NEI/GTEL Environmental Laboratories, Inc. Analytical results are presented in Table 1. The chain of custody document and laboratory analytical reports are enclosed.

Thank you for allowing Gettler-Ryan Inc. to provide environmental services to Chevron. Please call if you have any questions or comments regarding this report.

Sincerely,

Deanna L. Harding
Deanna L. Harding
Project Coordinator

Stephen J. Carter
Stephen J. Carter
Senior Geologist, R.G. No. 5523



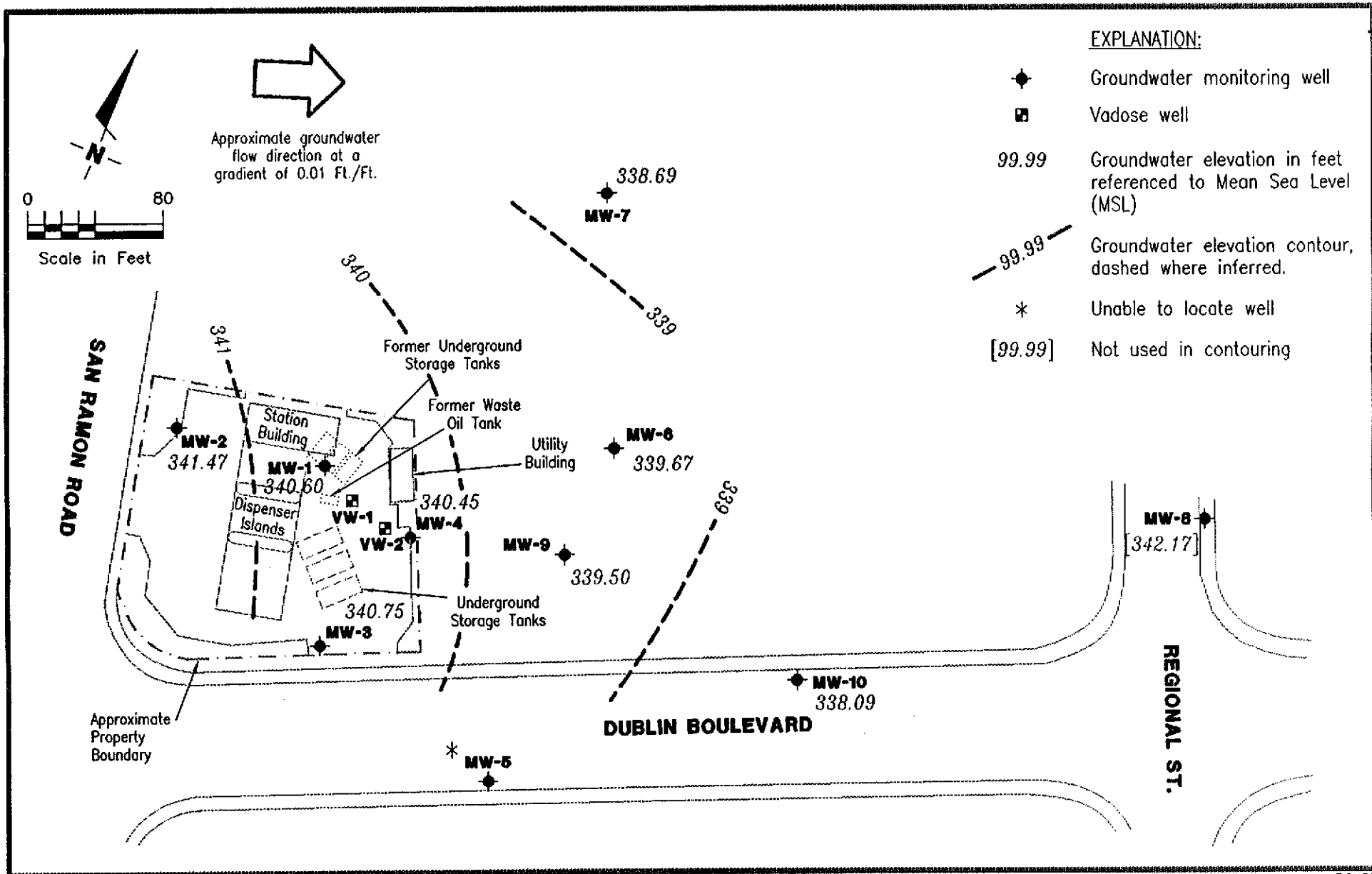
DLH/SJC/ah
5290.QML

- Figure 1: Potentiometric Map
- Table 1: Water Level Data and Groundwater Analytical Results
- Attachments: Standard Operating Procedure - Groundwater Sampling
Field Data Sheets
Chain of Custody Document and Laboratory Analytical Reports

Chevron Service Station #9-5542
7007 San Ramon Valley Road
Dublin, California

April 18, 1997
Page Two

cc: Eva Chu, Alameda County Environmental Health,
1131 Harbor Bay Parkway, 2nd Floor, Alameda, CA 94502
Mary Diamond, See's Candy,
3423 S. La Cienega Boulevard, Los Angeles, CA 90016-4401



EXPLANATION:

- ◆ Groundwater monitoring well
- ▣ Vadose well
- 99.99 Groundwater elevation in feet referenced to Mean Sea Level (MSL)
- - - 99.99 Groundwater elevation contour, dashed where inferred.
- * Unable to locate well
- [99.99] Not used in contouring



Gettler - Ryan Inc.

6747 Sierra Ct., Suite J (510) 551-7555
 Dublin, CA 94568

POTENTIOMETRIC MAP
 Chevron Service Station No. 9-5542
 7007 San Ramon Road
 Dublin, California

FIGURE
1

JOB NUMBER
 5290

REVIEWED BY

DATE
 March 11, 1997

REVISED DATE



Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-5542, 7007 San Ramon Valley Road, Dublin, California

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	O&G	←-----ppb----->					MTBE	Other HVOCs	1,2-DCA	EDB
							B	T	E	X					
MW-1/ (D)	4/3-4/90	—	—	—	46,000	—	8,400	7,400	860	5,600	—	—	—	—	1.04
363.98 ¹	4/3-4/90	—	—	—	43,000	—	8,400	7,200	840	5,200	—	—	—	1.1	
	5/31/91	25.67	338.31	0	31,000	—	7,400	2,500	630	2,100	—	ND ²	2	—	
	5/31/91	—	—	—	—	<5,000	—	—	—	—	—	—	—	—	
	6/21/91	26.23	337.75	0	—	—	—	—	—	—	—	—	—	—	
	7/17/91	26.53	337.45	0	—	—	—	—	—	—	—	—	—	—	
	9/20/91	—	—	—	31,000	—	3,000	2,800	610	3,100	—	ND ²	0.6	—	
	10/4/91	27.90	336.08	0	—	—	—	—	—	—	—	—	—	—	
	12/19/91	28.12	335.86	0	20,000	—	5,200	1,700	560	2,000	—	ND ²	3.3	—	
	3/19/92	24.63	339.35	0	30,000	—	8,500	3,600	590	2,400	—	ND ²	2.7	—	
	364.32 ²	6/19/92	26.23	338.09	0	25,000	—	1,100	2,000	520	1,800	—	—	—	—
9/22/92		27.73	336.59	0	21,000	—	8,000	3,500	670	2,900	—	—	—	—	
12/18/92		26.76	337.56	0	79,000	—	12,000	12,000	1,600	8,500	—	—	—	—	
3/10/93 ^{6,13}		—	—	—	45,000	—	16,000	14,000	1,100	5,500	—	—	—	—	
3/22/93 ⁴		—	—	—	—	—	—	—	—	—	—	—	—	—	
6/14/93 ⁴		—	—	—	—	—	—	—	—	—	—	—	—	—	
7/25/93 ⁴		—	—	—	—	—	—	—	—	—	—	—	—	—	
9/23/93 ⁴		—	—	—	—	—	—	—	—	—	—	—	—	—	
3/21/94		26.16	338.16	0	5,900	—	1,600	560	140	330	—	—	—	—	
7/6/94		27.20	337.12	0	—	—	—	—	—	—	—	—	—	—	
8/26/94		—	—	—	20,000	—	5,300	4,900	610	2,900	—	—	—	—	
9/22/94		27.44	336.88	0	42,000	—	10,000	8,300	1,000	4,900	—	—	—	—	
12/8/94		26.70	337.62	—	38,000	—	9,000	7,700	830	3,800	—	—	—	—	
3/6/95		23.68	340.64	0	47,000	—	9,400	7,100	750	3,400	—	—	—	—	
6/8/95		22.68	341.64	0	170,000	—	29,000	29,000	2,600	13,000	—	—	—	—	
9/13/95		25.10	339.22	0	39,000	—	11,000	10,000	1,100	4,900	—	—	—	—	
12/16/95		26.08	338.24	0	40,000	—	7,000	6,300	570	2,500	<2.5	—	—	—	
3/28/96	22.20	342.12	0	16,000	—	3,700	3,200	330	1,500	<120	—	—	—		
6/27/96	24.20	340.12	0	40,000	—	6,900	8,700	830	4,000	<120	—	—	—		
9/30/96	25.62	338.70	0	190,000	—	24,000	31,000	2,900	14,000	380	—	—	—		
12/30/96	24.21	340.11	0	130,000	—	25,000	32,000	2,900	15,000	<500	—	—	—		
3/11/97	23.72	340.60	0	76,000	—	11,000	13,000	1,000	6,500	<500	—	—	—		
MW-2/ 364.19 ¹	4/3-4/90	—	—	—	<50	—	<0.3	<0.3	<0.3	<0.6	—	—	—	<0.02	
	5/31/91	25.51	338.68	0	100	—	3.1	4.2	0.7	2.0	—	ND ²	<0.5	—	
	5/31/91	—	—	—	—	<5,000	—	—	—	—	—	—	—	—	
	6/21/91	26.13	338.06	0	—	—	—	—	—	—	—	—	—	—	
	7/17/91	26.46	337.73	0	—	—	—	—	—	—	—	—	—	—	
	9/20/91	—	—	—	68	—	1.3	1.6	0.8	3.0	—	—	—	—	
	10/4/91	27.79	336.40	0	—	—	—	—	—	—	—	—	—	—	
	12/19/91	28.06	336.13	0	<50	—	0.6	1.2	0.8	2.5	—	—	—	—	
	3/19/92	24.46	339.73	0	<50	—	2.5	2.0	1.1	2.4	—	—	—	—	
	364.64 ²	6/19/92	26.10	338.54	0	<50	—	<0.5	0.6	0.7	1.2	—	—	—	—



Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-5542, 7007 San Ramon Valley Road, Dublin, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	O&G	←-----ppb----->				MTBE	Other HVOCs	1,2-DCA	EDB	
							B	T	E	X					
MW-2 (cont)	9/22/92	27.60	337.04	0	200	--	16	42	6.1	32	--	--	--	--	
	12/18/92	26.32	338.32	0	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
	3/22/93	21.39	343.29	0	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
	6/14/93	25.15	339.49	0	--	--	--	--	--	--	--	--	--	--	
	7/25/93	24.52	340.12	0	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
	9/23/93	25.63	339.01	0	72	--	12	4	6	8	--	--	--	--	
	12/22/93	26.34	338.30	0	1,600	--	25	<0.5	3.8	4.8	--	--	--	--	
	3/21/94	25.83	338.81	0	<50	--	0.7	3.3	<0.5	1.9	--	--	--	--	
	6/29/94	--	--	--	52	--	0.8	0.9	0.8	1.9	--	--	--	--	
	7/6/94	26.70	337.94	0	--	--	--	--	--	--	--	--	--	--	
	9/22/94	26.82	337.82	0	<50	--	0.7	<0.5	<0.5	0.6	--	--	--	--	
	12/8/94	26.28	338.36	0	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
	3/6/95	23.27	341.37	0	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
	6/8/95	22.38	342.26	0	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--	
	9/13/95	24.95	339.95	0	<50	--	<0.5	0.8	<0.5	0.8	--	--	--	--	
	12/16/95	25.78	338.86	0	<50	--	<0.5	<0.5	<0.5	<0.5	<2.5	--	--	--	
	3/28/96	21.34	343.30	0	<50	--	0.8	5.6	1.0	6.2	<5.0	--	--	--	
	6/27/96	23.99	340.65	0	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	
	9/30/96	25.14	339.50	0	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	
	12/30/96	23.61	341.03	0	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--	
3/11/97	23.17	341.47	0	<50	--	<0.5	<0.5	<0.5	<0.5	<5.0	--	--	--		
MW-3/ 361.92 ¹	4/3-4/90	--	--	--	2,200	--	36	5	6	17	--	--	--	<0.02	
	5/31/91	23.20	338.72	0	2,200	--	130	11	31	78	--	ND ^a	19	--	
	5/31/91	--	--	--	--	<5,000	--	--	--	--	--	--	--	--	
	6/21/91	24.13	337.79	0	--	--	--	--	--	--	--	--	--	--	
	7/17/91	24.59	337.73	0	--	--	--	--	--	--	--	--	--	--	
	9/20/91	25.98	335.94	0	2,200	--	190	6.0	24	32	--	--	--	--	
	12/19/91	26.24	335.68	0	640	--	73	27	17	56	--	--	--	--	
	362.26 ²	3/19/92	22.46	339.46	0	4,500	--	1,000	15	91	240	--	--	--	--
		6/19/92	24.32	337.94	0	1,100	--	89	3.3	9.1	13	--	--	--	--
		9/22/92	25.84	336.42	0	1,400	--	81	51	15	49	--	--	--	--
		12/18/92	24.40	337.86	0	1,100	--	2.0	1.1	53	38	--	--	--	--
		3/22/93	19.72	342.54	0	1,600	--	96	9	14	91	--	--	--	--
		6/14/93	23.52	338.74	0	--	--	--	--	--	--	--	--	--	--
		7/25/93	23.21	339.05	0	1,200	--	19	6	2	5	--	--	--	--
		9/23/93	24.02	338.24	0	1,500	--	35	<0.5	5	13	--	--	--	--
		12/22/93	24.67	337.59	0	1,500	--	26	<0.5	3.9	4.9	--	--	--	--
3/21/94		24.05	338.21	0	1,400	--	22	14	1.1	5.3	--	--	--	--	
6/29/94	--	--	--	1,700	--	90	6.1	20	81	--	--	--	--		
7/6/94	25.08	337.18	0	--	--	--	--	--	--	--	--	--	--		
9/22/94	24.78	337.48	0	2,600	--	72	7.6	110	370	--	--	--	--		
12/8/94	24.35	337.91	0	2,700	--	32	<0.5	100	140	--	--	--	--		



Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-5542, 7007 San Ramon Valley Road, Dublin, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	O&G	B	T	E	X	MTBE	Other HVOCs	1,2-DCA	EDB	
															←-----ppb-----→
MW-3 (cont)	3/6/95	21.47	340.79	0	1,000	---	4.0	9.9	8.8	7.7	---	---	---	---	
	6/8/95	20.99	341.27	0	1,500	---	13	3.2	12	17	---	---	---	---	
	9/13/95	23.51	338.75	0	2,100	---	12	79	76	420	---	---	---	---	
	12/16/95	24.00	338.26	0	650	---	<0.5	<0.5	4.4	6.5	12	---	---	---	
	3/28/96	19.90	342.36	0	1,500	---	4.3	6.5	60	100	15	---	---	---	
	6/27/96	21.98	340.28	0	1,200	---	<0.5	<0.5	1.9	2.0	13	---	---	---	
	9/30/96	23.82	338.44	0	620	---	<0.5	<0.5	<0.5	0.8	10	---	---	---	
	12/30/96	22.30	339.96	0	1,200	---	0.6	<0.5	0.6	0.7	12	---	---	---	
3/11/97	21.51	340.75	0	1,400	---	<0.5	3.1	<0.5	0.7	32	---	---	---		
MW-4/	4/3-4/90	---	---	---	43,000	18,000	4,000	5,000	790	5,500	---	---	---	<0.02	
	4/3-4/90	---	---	---	---	---	6,000	8,200	1,500	---	---	---	---	---	
362.70 ¹	5/31/91	24.67	338.03	0	34,000	---	2,900	2,900	680	3,300	---	ND ²	<0.5	---	
	5/31/91	---	---	---	<5,000	---	---	---	---	---	---	---	---	---	
	6/21/91	25.31	337.39	0	---	---	---	---	---	---	---	---	---	---	
	7/17/91	25.73	336.97	0	---	---	---	---	---	---	---	---	---	---	
	9/20/91	---	---	---	37,000	---	4,000	3,200	580	3,000	---	ND ⁴	9.2	---	
	10/4/91	27.08	335.62	0	---	---	---	---	---	---	---	---	---	---	
	12/19/91	27.24	335.46	0	41,000	---	5,500	4,900	1,000	4,400	---	ND ³	17	---	
	3/19/92	23.66	339.04	0	21,000	---	3,800	2,900	500	3,200	---	ND ³	15	---	
	363.07 ²	6/19/92	25.33	337.74	0	27,000	<5,000	1,800	1,600	570	1,900	---	---	---	---
		9/22/92	26.90	336.17	0	20,000	<5,000	4,100	2,700	670	3,200	---	---	---	---
12/18/92		25.62	337.45	0	15,000	<5,000	2,200	2,000	370	1,600	---	---	---	---	
3/22/93		20.80	342.27	0	41,000	5,000	3,900	5,100	840	4,500	---	---	---	---	
6/14/93		25.73	337.34	0	---	---	---	---	---	---	---	---	---	---	
7/25/93		24.02	339.05	0	94,000	<5,000	18,000	30,000	2,400	14,000	---	---	---	---	
9/23/93		25.00	338.07	0	23,000	<5,000	4,700	2,000	900	4,600	---	---	---	---	
12/22/93		25.72	337.35	0	18,000	<5,000	2,800	1,300	420	1,700	---	---	---	---	
3/21/94		25.09	337.98	0	21,000	<5,000	2,800	1,700	540	1,900	---	---	---	---	
6/29/94		---	---	---	25,000	<5,000	4,000	2,600	960	3,300	---	---	---	---	
363.07 ¹⁶	7/6/94	26.11	336.96	0	---	---	---	---	---	---	---	---	---	---	
	9/22/94	26.54	336.53	0	45,000	<5,000	11,000	8,800	1,000	5,100	---	---	---	---	
	12/8/94 ¹⁴	25.55	337.52	0	6,700	<5,000	1,200	720	34	1,100	---	---	---	---	
	3/6/95	22.64	340.43	0	8,900	---	1,400	540	350	940	---	---	---	---	
	6/8/95	22.01	341.06	0	15,000	---	2,000	1,500	400	1,500	---	---	---	---	
	9/13/95	24.42	338.65	0	10,000 ¹⁵	---	3,100	670	500	1,400	---	---	---	---	
	12/16/95	25.18	337.89	0	15,000	---	2,900	960	420	1,200	<2.5	---	---	---	
	3/28/96	20.97	342.10	0	8,600	---	1,300	920	330	1,100	<10	---	---	---	
	6/27/96	21.63	341.44	0	18,000	---	2,600	1,500	740	2,400	<50	---	---	---	
	9/30/96	24.85	338.22	0	24,000	---	3,200	1,200	710	2,200	87	---	---	---	
12/30/96	23.28	339.79	0	15,000	---	2,300	1,000	600	1,900	84	---	---	---		
3/11/97	22.62	340.45	0	23,000	---	2,600	920	780	2,200	84	---	---	---		



Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-5542, 7007 San Ramon Valley Road, Dublin, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	O&G	←-----ppb----->				MTBE	Other HVOCs	1,2-DCA	EDB
							B	T	E	X				
MW-5/ 359.95 ¹	6/21/91	23.17	336.78	0	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--
	6/21/91	--	--	--	--	--	--	--	--	--	--	ND ^a	<0.5	--
	7/17/91	23.68	336.27	0	--	--	--	--	--	--	--	--	--	--
	9/20/91	--	--	--	170 ¹⁰	--	0.8	0.9	<0.5	1.5	--	--	--	--
	10/4/91	25.20	334.75	0	--	--	--	--	--	--	--	--	--	--
	12/19/91	25.20	334.75	0	<50	--	0.7	0.7	<0.5	1.4	--	--	--	--
	3/19/92	21.21	338.74	0	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--
360.28 ²	6/19/92	23.42	336.86	0	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--
	9/22/92	24.97	335.31	0	150	--	13	34	5.0	26	--	--	--	--
	12/18/92	23.52	336.76	0	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--
	3/10/93	--	--	--	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--
	3/22/93	19.10	341.18	0	--	--	--	--	--	--	--	--	--	--
	6/14/93	22.71	337.57	0	--	--	--	--	--	--	--	--	--	--
	7/25/93	21.99	338.29	0	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--
	9/23/93	23.48	336.80	0	<50	--	3	1	1	2	--	--	--	--
	12/22/93	23.98	336.30	0	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--
	3/21/94	23.18	337.10	0	<50	--	2.4	1.4	<0.5	2	--	--	--	--
	6/29/94	--	--	--	<50	--	<0.5	<0.5	<0.5	1.0	--	--	--	--
	7/6/94	24.41	335.87	0	--	--	--	--	--	--	--	--	--	--
	9/22/94	24.78	335.50	0	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--
	12/8/94	23.42	336.86	0	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--
	3/6/95	20.65	339.63	0	67	--	1.9	2.5	4.7	19	--	--	--	--
	6/8/95	20.76	339.52	0	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--
	9/13/95	23.16	337.12	0	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--
	12/16/95	Unable to locate		--	--	--	--	--	--	--	--	--	--	--
	3/28/96	Unable to locate		--	--	--	--	--	--	--	--	--	--	--
	6/27/96	Unable to locate		--	--	--	--	--	--	--	--	--	--	--
	9/30/96	Unable to locate		--	--	--	--	--	--	--	--	--	--	--
	12/30/96	Unable to locate		--	--	--	--	--	--	--	--	--	--	--
	3/11/97	Unable to locate		--	--	--	--	--	--	--	--	--	--	--
MW-6/ 360.22 ¹	6/21/91	23.55	336.67	0	3,700	--	50	2.6	150	340	--	--	--	--
	6/21/91	--	--	--	--	--	--	--	--	--	--	ND ^a	<0.5	--
	7/17/91	24.00	336.22	0	--	--	--	--	--	--	--	--	--	--
	9/20/91	--	--	--	3,200	--	28	<0.5	140	100	--	--	--	--
	10/4/91	25.29	334.93	0	--	--	--	--	--	--	--	--	--	--
	12/19/91	25.34	334.88	0	380	--	2.7	4.0	15	10	--	--	--	--
	3/19/92	22.05	338.17	0	3,400	--	57	4.5	330	360	--	--	--	--
360.58 ²	6/19/92	23.52	337.06	0	980	--	11	4.2	57	38	--	--	--	--
	9/22/92	25.60	334.98	0	1,100	--	22	41	77	58	--	--	--	--
	12/18/92	24.18	336.40	0	1,900	--	3.2	1.3	58	47	--	--	--	--



Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-5542, 7007 San Ramon Valley Road, Dublin, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	O&G	←-----ppb----->				MTBE	Other HVOCs	1,2-DCA	EDB
							B	T	E	X				
MW-6 (cont)	3/10/93	---	---	---	1,400	---	30	9	8	22	---	---	---	---
	3/22/93	19.36	341.22	0	---	---	---	---	---	---	---	---	---	
	6/14/93	23.48	337.10	0	---	---	---	---	---	---	---	---	---	
	7/25/93	22.30	338.28	0	83 ¹¹	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	9/23/93	23.20	337.38	0	200	---	6	2	3	3	---	---	---	---
	12/22/93	23.91	336.67	0	130	---	<0.5	1.8	1.2	1.5	---	---	---	---
	3/21/94	23.27	337.31	0	290	---	3	10	1.6	4.7	---	---	---	---
	6/29/94	---	---	---	300	---	0.6	1.2	2.4	4.6	---	---	---	---
	7/6/94	24.27	336.31	0	---	---	---	---	---	---	---	---	---	---
	9/22/94	24.84	335.74	0	2,300	---	58	3.6	100	290	---	---	---	---
	12/8/94	23.85	336.73	0	<50	---	<0.5	<0.5	<0.5	0.9	---	---	---	---
	3/6/95	20.91	339.67	0	360	---	2.0	3.6	0.9	2.3	---	---	---	---
	6/8/95	20.18	340.40	0	230	---	<0.5	<0.5	1.0	1.6	---	---	---	---
	9/13/95	23.53	337.05	0	88	---	<0.5	<0.5	<0.5	1.1	---	---	---	---
	12/16/95	23.38	337.20	0	<50	---	<0.5	<0.5	<0.5	<0.5	7.3	---	---	---
	3/28/96	19.37	341.21	0	130	---	<0.5	<0.5	<0.5	<0.5	9.2	---	---	---
	6/27/96	21.66	338.92	0	<50	---	<0.5	<0.5	<0.5	<0.5	5.7	---	---	---
	9/30/96	23.06	337.52	0	50	---	<0.5	<0.5	<0.5	<0.5	6.3	---	---	---
	12/30/96	21.46	339.12	0	90	---	<0.5	<0.5	<0.5	<0.5	5.5	---	---	---
	3/11/97	20.91	339.67	0	80	---	<0.5	<0.5	<0.5	<0.5	<5.0	---	---	---
MW-7/ 360.63 ¹	6/21/91	23.45	337.18	0	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	6/21/91	---	---	---	---	---	---	---	---	---	---	ND ⁵	<0.5	---
	7/17/91	23.90	336.73	0	---	---	---	---	---	---	---	---	---	---
	9/20/91	---	---	---	69	---	4.4	3.3	1.2	3.9	---	---	---	---
	10/4/91	25.03	335.60	0	---	---	---	---	---	---	---	---	---	---
	12/19/91	25.10	335.53	0	<50	---	0.9	2.8	1.7	5.9	---	---	---	---
	3/19/92	22.74	337.89	0	<50	---	1.1	0.6	0.9	2.5	---	---	---	---
	6/19/92 ⁵	---	---	---	---	---	---	---	---	---	---	---	---	---
	9/22/92 ⁵	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/18/92 ⁵	---	---	---	---	---	---	---	---	---	---	---	---	---
360.99 ²	3/22/93 ⁵	---	---	---	---	---	---	---	---	---	---	---	---	---
	6/14/93 ⁵	---	---	---	---	---	---	---	---	---	---	---	---	---
	7/25/93 ⁵	---	---	---	---	---	---	---	---	---	---	---	---	---
	12/23/93	23.67	338.01	0	<50	---	0.9	0.5	<0.5	<0.5	---	---	---	---
	3/21/94	24.13	337.55	0	<50	---	0.5	1.1	<0.5	1.4	---	---	---	---
361.68 ⁵	6/29/94	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	7/6/94	26.45	335.23	0	---	---	---	---	---	---	---	---	---	---
	9/22/94	27.40	334.28	0	11,000	---	1,900	230	310	970	---	---	---	---
	12/8/94	26.23	335.45	0	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	3/6/95	23.19	338.49	0	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	6/8/95	22.14	339.54	0	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	9/13/95	24.55	337.13	0	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---



Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-5542, 7007 San Ramon Valley Road, Dublin, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	O&G	B	T	E	X	MTBE	Other HVOCs	1,2-DCA	EDB
MW-7	12/16/95	25.74	335.94	0	<50	---	<0.5	<0.5	<0.5	<0.5	<2.5	---	---	---
(cont)	3/28/96	21.72	339.96	0	<50	---	<0.5	<0.5	<0.5	<0.5	<5.0	---	---	---
	6/27/96	23.50	338.18	0	<50	---	<0.5	<0.5	<0.5	<0.5	<5.0	---	---	---
	9/30/96	25.20	336.48	0	<50	---	<0.5	<0.5	<0.5	<0.5	<5.0	---	---	---
	12/30/96	23.88	337.80	0	<50	---	<0.5	<0.5	<0.5	<0.5	<5.0	---	---	---
	3/11/97	22.99	338.69	0	<50	---	<0.5	<0.5	<0.5	<0.5	<5.0	---	---	---
MW-8/ ---	12/12/91	22.54	---	0	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
354.89 ²	6/19/92	20.47	334.42	0	<50	---	1.2	1.4	0.5	2.9	---	---	---	---
	9/22/92	29.80	325.09	0	180	---	17	42	6.0	31	---	---	---	---
	12/18/92	21.18	333.71	0	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	3/10/93	---	---	---	<50	---	0.8	2	<0.5	2	---	---	---	---
	3/22/93	16.91	337.98	0	---	---	---	---	---	---	---	---	---	---
	6/14/93	24.30	330.59	0	---	---	---	---	---	---	---	---	---	---
	7/25/93	23.77	331.12	0	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	9/23/93	20.40	334.49	0	<50	---	1	0.9	0.7	1	---	---	---	---
	12/22/93	20.92	333.97	0	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	3/21/94	20.19	334.70	0	<50	---	0.9	1.5	<0.5	2	---	---	---	---
	6/29/94	---	---	---	<50	---	<0.5	<0.5	<0.5	0.8	---	---	---	---
	7/6/94	21.05	333.84	0	---	---	---	---	---	---	---	---	---	---
	9/22/94	21.84	333.05	0	9,600	---	1,600	180	260	840	---	---	---	---
	10/14/94	21.84	333.05	0	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	12/8/94	20.71	334.18	0	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	3/6/95	18.11	336.78	0	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	6/8/95	17.79	337.10	0	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	9/13/95	19.80	335.09	0	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---
	12/16/95	20.46	334.43	0	<50	---	<0.5	<0.5	<0.5	<0.5	<2.5	---	---	---
	3/28/96	15.42	339.47	0	<50	---	<0.5	<0.5	<0.5	<0.5	<5.0	---	---	---
	6/27/96	19.08	335.81	0	<50	---	<0.5	<0.5	<0.5	<0.5	<5.0	---	---	---
360.58 ¹⁶	9/30/96	20.30	340.28	0	<50	---	<0.5	<0.5	<0.5	0.6	<5.0	---	---	---
	12/30/96	19.03	341.55	0	<50	---	<0.5	<0.5	<0.5	<0.5	<5.0	---	---	---
	3/11/97	18.41	342.17	0	<50	---	<0.5	<0.5	<0.5	<0.5	<5.0	---	---	---
MW-9/ 361.23 ⁷	7/6/94	25.15	336.08	0	---	---	---	---	---	---	---	---	---	---
	8/26/94	---	---	---	12,000	---	1,700	240	410	1,400	---	---	---	---
	9/22/94	25.74	335.49	0	10,000	---	1,900	290	320	1,200	---	---	---	---
	12/8/94	24.84	336.39	0	18,000	---	2,400	780	450	4,600	---	---	---	---
	3/6/95	21.83	339.40	0	6,100	---	1,400	260	420	1,500	---	---	---	---
	6/8/95	21.29	339.94	0	14,000	---	2,100	220	540	1,700	---	---	---	---
	9/13/95	23.65	337.85	0	11,000	---	1,900	120	490	1,400	---	---	---	---
	12/16/95	24.32	336.91	0	16,000	---	1,900	<0.5	680	1,200	<2.5	---	---	---



Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-5542, 7007 San Ramon Valley Road, Dublin, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	O&G	←-----ppb----->					MTBE	Other HVOCs	1,2-DCA	EDB
							B	T	E	X					
MW-9	3/28/96	20.45	340.78	0	960	---	120	5.9	33	70	18	---	---	---	
(cont)	6/27/96	22.84	338.39	0	10,000	---	1,200	46	340	1,000	66	---	---	---	
361.59 ¹⁶	9/30/96	24.12	337.47	0	15,000	---	1,300	36	390	950	100	---	---	---	
	12/30/96	22.64	338.95	0	12,000	---	1,200	54	470	1,300	100	---	---	---	
	3/11/97	22.09	339.50	0	13,000	---	850	37	310	930	63	---	---	---	
MW-10	6/27/96	20.74	---	0	<50	---	<0.5	<0.5	<0.5	<0.5	<5.0	---	---	---	
358.02 ¹⁶	9/30/96	22.03	335.99	0	<50	---	<0.5	<0.5	<0.5	<0.5	<5.0	---	---	---	
	12/30/96	20.56	337.46	0	<50	---	<0.5	<0.5	<0.5	<0.5	<5.0	---	---	---	
	3/11/97	19.93	338.09	0	<50	---	<0.5	<0.5	<0.5	<0.5	7.0	---	---	---	
Trip Blank															
MW-AA	5/31/91	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---	
	6/21/91	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---	
	9/20/91	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---	
	12/19/91	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---	
	3/19/92	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---	
TB-LB	6/19/92	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---	
	9/22/92	---	---	---	92 ¹²	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---	
	12/18/92	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---	
	3/10/93	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---	
	3/22/93	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---	
	7/25/93	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---	
	9/23/93	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---	
	12/22/93	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---	
	3/21/94	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---	
	6/29/94	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---	
	7/1/94	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---	
	7/6/94	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---	
	9/22/94	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---	
	12/8/94	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---	
	3/6/95	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---	
	6/8/95	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---	
	9/13/95	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	---	---	---	---	
	12/16/95	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	<2.5	---	---	---	
	3/28/96	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	<5.0	---	---	---	
	6/27/96	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	<5.0	---	---	---	
	9/30/96	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	<5.0	---	---	---	
	12/30/96	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	<5.0	---	---	---	
	3/11/97	---	---	---	<50	---	<0.5	<0.5	<0.5	<0.5	<5.0	---	---	---	



Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-5542, 7007 San Ramon Valley Road, Dublin, California (continued)

Well ID/ TOC (ft)	Date	DTW (ft)	GWE (msl)	Product Thickness* (ft)	TPH(G)	O&G	←-----ppb----->				MTBE	Other HVOCs	1,2-DCA	EDB
							B	T	E	X				
Bailer Blank	5/31/91	--	--	--	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--
MW-BB	6/21/91	--	--	--	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--
	9/20/91	--	--	--	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--
	12/19/91	--	--	--	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--
	3/19/92	--	--	--	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--
	6/19/92	--	--	--	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--
	9/22/92	--	--	--	<50	--	<0.5	<0.5	<0.5	0.8	--	--	--	--
	12/21/92	--	--	--	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--
	3/10/93	--	--	--	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--
	3/22/93	--	--	--	<50	--	<0.5	<0.5	<0.5	0.6	--	--	--	--
	7/25/93	--	--	--	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--
	9/23/93	--	--	--	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--
	12/22/93	--	--	--	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--
	3/21/94	--	--	--	<50	--	<0.5	<0.5	<0.5	<0.5	--	--	--	--



Table 1. Water Level Data and Groundwater Analytical Results - Chevron Service Station #9-5542, 7007 San Ramon Valley Road, Dublin, California (continued)

EXPLANATION:

TOC = Top of casing elevation
(ft) = feet
DTW = Depth to water
GWE = Groundwater elevation
msl = Measurements referenced relative to mean sea level
TPH(G) = Total Purgeable Petroleum Hydrocarbons as Gasoline
O&G = Oil and Grease
B = Benzene
T = Toluene
E = Ethylbenzene
X = Xylenes
MTBE = Methyl-tertiary-butyl ether
HVOCs = Halogenated Volatile Organic Compounds
1,2-DCA = 1,2-Dichloroethane
EDB = Ethylene dibromide
ppb = Parts per billion
-- = Not available/not applicable

ANALYTICAL METHODS:

EPA Method 8015/5030 for TPH(G)
EPA Method 602 for BTEX
EPA Method 504 for EDB
EPA Method 8020 for BTEX & MTBE
EPA Method 8010 for HVOCs
Standards Methods Method 503E for O&G
EPA Method 413.1 for total O&G
EPA Method 624 for BTEX and VOCs
Standard Methods Method 5520 for O&G
LUFT = DHS LUFT Manual Method for OL

NOTES:

Groundwater elevation data and laboratory analytical results prior to March 6, 1995, were compiled from the Quarterly Groundwater Monitoring Reports prepared for Chevron by Sierra Environmental Services.

- * Product thickness was measured with an MMC flexi-dip interface probe.
- ¹ Top of casing elevations for monitoring wells MW-1 through MW-7 were surveyed by Ron Miller, Professional Engineer #15816 on June 26, 1991.
- ² Top of casing elevations for monitoring wells MW-1 through MW-8 were surveyed by Kier & Wright of Pleasanton, California on December 12, 1991. Survey data received by SES on April 30, 1992.
- ³ Well could not be located on this date due to surface conditions from recent discing.
- ⁴ Monitoring well part of remediation system.
- ⁵ Monitoring well not located since March 1992 sampling event.
- ⁶ Top of casing elevation surveyed by Ron Miller, PE #15816, on January 13, 1994.
- ⁷ Monitoring well surveyed by Ron Miller, PE #15816, on July 5, 1994.
- ⁸ Other HVOCs were not detected at detection limits ranging from 0.5 to 1 ppb.
- ⁹ Chloroform and bromodichloromethane were detected at 1.3 and 0.9 ppb, respectively. Other HVOCs were not detected at detection limits ranging from 0.5 to 1 ppb.
- ¹⁰ A non-standard gasoline pattern was observed in the chromatogram.
- ¹¹ Uncategorized compound not included in gasoline total.
- ¹² Gasoline range concentration reported. The chromatogram shows only a single peak in the gasoline range.
- ¹³ Analytical results provided by Chevron Project Manager.
- ¹⁴ TPH(G) and BTEX results are estimated concentrations. Due to laboratory error, sample was analyzed past the recommended holding time. (GTEL).
- ¹⁵ Laboratory report indicates uncategorized compound is not included in gasoline concentration.
- ¹⁶ Surveyed by Virgil Chavez Land Surveying on 10/15/96, elevations based on previous TOC data.



STANDARD OPERATING PROCEDURE - GROUNDWATER SAMPLING

Gettler-Ryan Inc. field personnel adhere to the following procedures for the collection and handling of groundwater samples prior to analysis by the analytical laboratory. Prior to sample collection, the type of analysis to be performed is determined. Loss prevention of volatile compounds is controlled and sample preservation for subsequent analysis is maintained.

Prior to sampling, the presence or absence of free-phase hydrocarbons is determined using a MMC flexi-dip interface probe. Product thickness, if present, is measured to the nearest 0.01 foot and is noted in the field notes. In addition, static water level measurements are collected with the interface probe and are also recorded in the field notes.

After water levels are collected and prior to sampling, each well is purged a minimum of three well casing volumes of water using pre-cleaned pumps (stack, suction, Grundfos), or polyvinyl chloride bailers. Temperature, pH and electrical conductivity are measured a minimum of three times during the purging. Purging continues until these parameters stabilize.

Groundwater samples are collected using Chevron-designated disposable bailers. The water samples are transferred from the bailer into appropriate containers. Pre-preserved containers, supplied by analytical laboratories, are used when possible. When pre-preserved containers are not available, the laboratory is instructed to preserve the sample as appropriate. Duplicate samples are collected for the laboratory to use in maintaining quality assurance/quality control standards. The samples are labeled to include the job number, sample identification, collection date and time, analysis, preservation (if any), and the sample collector's initials. The water samples are placed in a cooler, maintained at 4°C for transport to the laboratory. Once collected in the field, all samples are maintained under chain of custody until delivered to the laboratory.

The chain of custody document includes the job number, type of preservation, if any, analysis requested, sample identification, date and time collected, and the sample collector's name. The chain of custody is signed and dated (including time of transfer) by each person who receives or surrenders the samples, beginning with the field personnel and ending with the laboratory personnel.

A laboratory supplied trip blank accompanies each sampling set. For sampling sets greater than 20 samples, 5% trip blanks are included. The trip blank is analyzed for some or all of the same compounds as the groundwater samples.

As requested by Chevron Products Company, the purge water and decontamination water generated during sampling activities is transported by IWM to McKittrick Waste Management located in McKittrick, California.



WELL SAMPLING FIELD DATA SHEET

SAMPLER Clyde Calautine DATE 3/11/97

ADDRESS 7007 San Ramon Valley Blvd JOB # 5290.85

CITY Dublin, CA SS# 9-5542

Well ID MW-1 Well Condition OK

Well Location Description _____

Well Diameter 2 1/4 in

Total Depth 50 ft

Depth to Liquid 23.72 ft

Hydrocarbon Thickness			
Volume	2" = 0.17	6" = 1.50	12" = 5.80
Factor	3" = 0.38		
(VF)	4" = 0.66		

of casing Volume 26.28 x ~~0.66~~ x(VF) 3 #Estimated 52 gal.

Purge Equipment stack pump Sampling Equipment disp bailer

Did well dewater No If yes, Time _____ Volume _____

Starting Time 12:22 Purging Flow Rate ~1.5 gpm.

Sampling Time 13:00

Time	pH	Conductivity	Temperature	Volume
<u>12:25</u>	<u>6.78</u>	<u>1254</u>	<u>19.0</u>	<u>3</u>
<u>12:32</u>	<u>6.75</u>	<u>1272</u>	<u>18.9</u>	<u>15</u>
<u>12:42</u>	<u>6.70</u>	<u>1277</u>	<u>17.8</u>	<u>30</u>
<u>12:57</u>	<u>6.72</u>	<u>1301</u>	<u>17.3</u>	<u>52</u>
<u>13:00</u>	<u>6.68</u>	<u>1283</u>	<u>17.5</u>	<u>Sample</u>

Weather Conditions clear, breezy

Water Color: clear Odor: hydrocarbon

Sediment Description _____

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-1</u>	<u>Voas</u>	<u>X</u>	<u>HCL</u>	<u>GTEL</u>	<u>TPH, BTEX, MTBE</u>

Comments _____



WELL SAMPLING FIELD DATA SHEET

SAMPLER Clyde Calcuttine DATE 3/11/97

ADDRESS 7007 San Ramon Valley Blvd JOB # 5290.85

CITY Dublin, CA SS# 9-5542

Well ID MW-2 Well Condition OK

Well Location Description _____

Well Diameter 2 in Hydrocarbon Thickness _____

Total Depth 39 ft

Depth to Liquid 23.17 ft

Volume	2" = 0.17	6" = 1.50	12" = 5.80
Factor	3" = 0.38		
(VF)	4" = 0.66		

of casing Volume 15.83 x 0.17 x(VF) 3 #Estimated 8 gal.

Purge Equipment stack pump Sampling Equipment disp bailer

Did well dewater No If yes, Time _____ Volume _____

Starting Time 9:15 Purging Flow Rate 1-1.5 gpm.

Sampling Time 9:30

Time	pH	Conductivity	Temperature	Volume
<u>9:16</u>	<u>6.59</u>	<u>1225</u>	<u>20.2</u>	<u>1</u>
<u>9:18</u>	<u>6.58</u>	<u>1160</u>	<u>20.6</u>	<u>3</u>
<u>9:20</u>	<u>6.59</u>	<u>1196</u>	<u>20.6</u>	<u>6</u>
<u>9:22</u>	<u>6.59</u>	<u>1206</u>	<u>20.6</u>	<u>8</u>
<u>9:30</u>	<u>6.54</u>	<u>940</u>	<u>19.9</u>	

Weather Conditions Sunny

Water Color: 1 tan Odor: _____

Sediment Description silt

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-2</u>	<u>Voas</u>	<u>X</u>	<u>HCL</u>	<u>GTIEL</u>	<u>TPH, BTEX, MTBE</u>

Comments _____



WELL SAMPLING FIELD DATA SHEET

SAMPLER Clyde Calautine DATE 3/11/97

ADDRESS 7007 San Ramon Valley Blvd JOB # 5290.85

CITY Dublin, CA SS# 9-5542

Well ID MW-3 Well Condition OK

Well Location Description _____

Well Diameter 2 in

Hydrocarbon Thickness —

Total Depth 35 ft

Depth to Liquid 21.51 ft

Volume	2" = 0.17	6" = 1.50	12" = 5.80
Factor	3" = 0.38		
(VF)	4" = 0.66		

of casing Volume 13.49 x 0.17 x (VF) 3 #Estimated purge Volume 6.9 gal.

Purge Equipment stack pump Sampling Equipment disp bailer

Did well dewater No If yes, Time _____ Volume _____

Starting Time 10:28 Purging Flow Rate 1-2 gpm.

Sampling Time 10:42

Time	pH	Conductivity	Temperature	Volume
<u>10:29</u>	<u>6.49</u>	<u>1226</u>	<u>20.7</u>	<u>1</u>
<u>10:30</u>	<u>6.51</u>	<u>1226</u>	<u>20.9</u>	<u>3</u>
<u>10:32</u>	<u>6.50</u>	<u>1248</u>	<u>20.4</u>	<u>5</u>
<u>10:33</u>	<u>6.52</u>	<u>1242</u>	<u>20.3</u>	<u>7</u>
<u>10:42</u>	<u>6.60</u>	<u>1225</u>	<u>19.7</u>	

Weather Conditions clear

Water Color: clear Odor: hydrocarbon

Sediment Description —

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-3</u>	<u>Voas</u>	<u>X</u>	<u>HCL</u>	<u>GTEL</u>	<u>TPH, BTEX</u> <u>MTBE</u>

Comments _____



WELL SAMPLING FIELD DATA SHEET

SAMPLER Clyde Calautine DATE 3/11/97
 ADDRESS 7007 San Ramon Valley Blvd JOB # 5270.85
 CITY Dublin, CA SS# 9-5542

Well ID MW-4 Well Condition OK

Well Location Description _____

Well Diameter 2 in Hydrocarbon Thickness _____

Total Depth 36 ft

Depth to Liquid 22.62 ft

Volume	2" = 0.17	6" = 1.50	12" = 5.80
Factor	3" = 0.38		
(VF)	4" = 0.66		

of casing Volume 13.38 x 0.17 x(VF) 3 #Estimated 6.8 gal. purge Volume

Purge Equipment stack pump Sampling Equipment disp bailer

Did well dewater No If yes, Time _____ Volume _____

Starting Time 11:29 Purging Flow Rate 1-2 gpm.

Sampling Time 11:40

Time	pH	Conductivity	Temperature	Volume
<u>11:30</u>	<u>6.42</u>	<u>1230</u>	<u>20.4</u>	<u>1</u>
<u>11:32</u>	<u>6.43</u>	<u>1219</u>	<u>19.9</u>	<u>3</u>
<u>11:34</u>	<u>6.42</u>	<u>1216</u>	<u>19.5</u>	<u>5</u>
<u>11:36</u>	<u>6.41</u>	<u>1221</u>	<u>19.1</u>	<u>7</u>
<u>11:40</u>	<u>6.42</u>	<u>1260</u>	<u>18.9</u>	

Weather Conditions clear

Water Color: lt gray Odor: hydrocarbon

Sediment Description silt

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-4</u>	<u>Voss</u>	<u>X</u>	<u>HCL</u>	<u>GTEL</u>	<u>TPH₂ RTX MTBE</u>

Comments _____

WELL SAMPLING FIELD DATA SHEET



SAMPLER Clyde Calautine DATE 3/11/97
 ADDRESS 7007 San Ramon Valley Blvd JOB # 5290.85
 CITY Dublin, CA SS# 9-5542

Well ID MW-6 Well Condition OK

Well Location Description _____

Well Diameter 2 in Hydrocarbon Thickness —
 Total Depth 34 ft
 Depth to Liquid 20.91 ft

Volume	2" = 0.17	6" = 1.50	12" = 5.80
Factor	3" = 0.38		
(VF)	4" = 0.66		

of casing Volume 13.09 x 0.17 x(VF) 3 #Estimated 6.7 gal.
 Volume purge

Purge Equipment stack pump Sampling Equipment disp bailer

Did well dewater No If yes, Time _____ Volume _____

Starting Time 9:54 Purging Flow Rate 1-2 gpm.
 Sampling Time 10:10

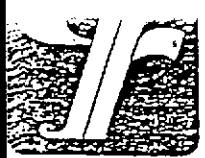
Time	pH	Conductivity	Temperature	Volume
<u>9:55</u>	<u>6.50</u>	<u>1236</u>	<u>19.1</u>	<u>1</u>
<u>9:56</u>	<u>6.49</u>	<u>1235</u>	<u>18.8</u>	<u>3</u>
<u>9:58</u>	<u>6.48</u>	<u>1235</u>	<u>18.6</u>	<u>5</u>
<u>9:59</u>	<u>6.48</u>	<u>1235</u>	<u>18.7</u>	<u>7</u>
<u>10:10</u>	<u>6.50</u>	<u>1240</u>	<u>18.7</u>	<u>Sample</u>

Weather Conditions clear
 Water Color: lt gray/brown Odor: —
 Sediment Description silt

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-6</u>	<u>Voas</u>	<u>X</u>	<u>HCL</u>	<u>GTEL</u>	<u>TPH, BTEX, MTBE</u>

Comments _____



WELL SAMPLING FIELD DATA SHEET

SAMPLER Clyde Calautine DATE 3/11/97

ADDRESS 7007 San Ramon Valley Blvd JOB # 5290.85

CITY Dublin, CA SS# 9-5542

Well ID MW-~~83~~7 Well Condition OK

Well Location Description _____

Well Diameter 2 in Hydrocarbon Thickness _____

Total Depth ~~36~~ 35 ft

Depth to Liquid 22.99 ft

Volume	2" = 0.17	6" = 1.50	12" = 5.80
Factor	3" = 0.38		
(VF)	4" = 0.66		

of casing Volume 12.01 x 0.17 x(VF) 3 #Estimated 6.1 gal. purge Volume

Purge Equipment stack pump Sampling Equipment disp bailer

Did well dewater _____ If yes, Time _____ Volume _____

Starting Time 8:44 Purging Flow Rate 1-2 gpm.

Sampling Time 8:58

Time	pH	Conductivity	Temperature	Volume
<u>8:45</u>	<u>6.60</u>	<u>1266</u>	<u>19.5</u>	<u>1</u>
<u>8:47</u>	<u>6.60</u>	<u>1267</u>	<u>19.5</u>	<u>3</u>
<u>8:48</u>	<u>6.59</u>	<u>1265</u>	<u>20.0</u>	<u>4.5</u>
<u>8:49</u>	<u>6.59</u>	<u>1265</u>	<u>20.1</u>	<u>6</u>
<u>8:58</u>	<u>6.63</u>	<u>1280</u>	<u>19.5</u>	<u>Sample</u>

Weather Conditions Sunny

Water Color: lt brown Odor: 0

Sediment Description silt

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-837</u>	<u>Voas</u>	<u>X</u>	<u>HCL</u>	<u>GTEL</u>	<u>TPH, BTEX, MTBE</u>

Comments _____



WELL SAMPLING FIELD DATA SHEET

SAMPLER Clyde Calautine DATE 3/11/97

ADDRESS 7007 San Ramon Valley Blvd JOB # 5290.85

CITY Dublin, CA SS# 9-5542

Well ID MW-8 Well Condition OK

Well Location Description _____

Well Diameter 2 in

Hydrocarbon Thickness _____

Total Depth 24 ft

Depth to Liquid 18.41 ft

Volume	2" = 0.17	6" = 1.50	12" = 5.80
Factor	3" = 0.38		
(VF)	4" = 0.66		

of casing Volume 5.59 x 0.17 x(VF) 3 #Estimated 2.9 gal.

Purge Equipment disp bailer Sampling Equipment disp bailer

Did well dewater No If yes, Time _____ Volume _____

Starting Time 8:05 Purging Flow Rate <1 gpm.

Sampling Time 8:20

Time	pH	Conductivity	Temperature	Volume
<u>8:09</u>	<u>6.62</u>	<u>1335</u>	<u>21.7</u>	<u>1</u>
<u>8:13</u>	<u>6.61</u>	<u>1326</u>	<u>21.6</u>	<u>2</u>
<u>8:16</u>	<u>6.63</u>	<u>1336</u>	<u>20.9</u>	<u>3</u>
<u>8:20</u>	<u>6.61</u>	<u>1332</u>	<u>20.9</u>	<u>Sample</u>

Weather Conditions overcast

Water Color: lt brown Odor: _____

Sediment Description silt

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-8</u>	<u>Voas</u>	<u>X</u>	<u>HCL</u>	<u>GTEL</u>	<u>TPH, BTEX, MTBE</u>

Comments _____



WELL SAMPLING FIELD DATA SHEET

SAMPLER Clyde Calautine DATE 3/11/97

ADDRESS 7007 San Ramon Valley Blvd JOB # 5290.85

CITY Dublin, CA SS# 9-5542

Well ID MW-9 Well Condition OK

Well Location Description _____

Well Diameter 2 in Hydrocarbon Thickness _____

Total Depth 33 ft

Depth to Liquid 22.09 ft

Volume	2" = 0.17	6" = 1.50	12" = 5.80
Factor	3" = 0.38		
(VF)	4" = 0.66		

of casing Volume 10.91 x 0.17 x (VF) 3 #Estimated 5.6 gal. purge Volume

Purge Equipment stack pump Sampling Equipment disp boiler

Did well dewater No If yes, Time _____ Volume _____

Starting Time 10:58 Purging Flow Rate 1-2 gpm.

Sampling Time 11:12

Time	pH	Conductivity	Temperature	Volume
<u>10:59</u>	<u>6.36</u>	<u>1315</u>	<u>20.4</u>	<u>1</u>
<u>11:00</u>	<u>6.37</u>	<u>1313</u>	<u>20.3</u>	<u>2.5</u>
<u>11:01</u>	<u>6.36</u>	<u>1309</u>	<u>20.2</u>	<u>4</u>
<u>11:02</u>	<u>6.36</u>	<u>1307</u>	<u>20.2</u>	<u>6</u>
<u>11:12</u>	<u>6.43</u>	<u>1297</u>	<u>19.9</u>	<u>sample</u>

Weather Conditions clear breezy

Water Color: gray Odor: hydrocarbon

Sediment Description silt

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-9</u>	<u>Voas</u>	<u>X</u>	<u>HCL</u>	<u>GTCL</u>	<u>TPH, BTEX, MTBE</u>

Comments _____



WELL SAMPLING FIELD DATA SHEET

SAMPLER Clyde Calautine / F. Cline DATE 3/11/97

ADDRESS 7007 San Ramon Valley Blvd JOB # 5290.85

CITY Dublin, CA SS# 9-5542

Well ID MW-10 Well Condition okay

Well Location Description _____

Well Diameter 2 in Hydrocarbon Thickness 0

Total Depth 35 ft

Depth to Liquid 19.93 ft

Volume	2" = 0.17	6" = 1.50	12" = 5.80
Factor	3" = 0.38		
(VF)	4" = 0.66		

of casing Volume 15.07 x 0.17 x(VF) 3 #Estimated 2.6 7.7 gal.
 purge Volume

Purge Equipment stack pump Sampling Equipment disp hailer

Did well dewater _____ If yes, Time _____ Volume _____

Starting Time 4:34 Purging Flow Rate 6.5 gpm.

Sampling Time _____

Time	pH	Conductivity	Temperature	Volume
<u>4:36</u>	<u>7.27</u>	<u>264</u>	<u>18.1</u>	<u>3</u>
<u>4:38</u>	<u>7.10</u>	<u>267</u>	<u>19.7</u>	<u>6</u>
<u>4:40</u>	<u>7.01</u>	<u>264</u>	<u>18.4</u>	<u>9</u>
<u>4:42</u>	<u>7.03</u>	<u>263</u>	<u>18.5</u>	<u>10</u>

Weather Conditions clear cool

Water Color: clear Odor: None

Sediment Description None

LABORATORY INFORMATION

Sample ID	Container	Refrig	Preservative Type	Lab	Analysis
<u>MW-10</u>	<u>Vials</u>	<u>X</u>	<u>HCL</u>	<u>GTEL</u>	<u>TPH, BTEX, MTBE</u>

Comments _____



NEI/GTEL

ENVIRONMENTAL
LABORATORIES, INC.

Midwest Region

4211 May Avenue
Wichita, KS 67209
(316) 945-2624
(800) 633-7936
(316) 945-0506 (FAX)

March 18, 1997

Deanna Harding
GETTLER-RYAN
6747 Sierra Ct.
Suite J
Dublin, CA 94568

RE: NEI/GTEL Client ID:	GTR01CHV08
Login Number:	W7030181
Project ID (number):	5290.80
Project ID (name):	CHEVRON/9-5542/7007 SAN RAMON VALLEY RD/DUBLIN/CA

Dear Deanna Harding:

Enclosed please find the analytical results for the samples received by NEI/GTEL Environmental Laboratories, Inc. on 03/13/97.

A formal Quality Assurance/Quality Control (QA/QC) program is maintained by NEI/GTEL, which is designed to meet or exceed the EPA requirements. Analytical work for this project met QA/QC criteria unless otherwise stated in the footnotes. This report is to be reproduced only in full.

NEI/GTEL is certified by the California Department of Health Service under Certification Number 1845.

If you have any questions regarding this analysis, or if we can be of further assistance, please call our Customer Service Representative.

Sincerely,
NEI/GTEL Environmental Laboratories, Inc.

Justin Ward, Project Coordinator for
Terry R. Loucks
Laboratory Director

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: GTR01CHV08
 Login Number: W7030181
 Project ID (number): 5290.80
 Project ID (name): CHEVRON/9-5542/7007 SAN RAMON VALLEY RD/DUBLIN/CA

Method: EPA 8020A
 Matrix: Aqueous

NEI/GTEL Sample Number	W7030181-01	W7030181-02	W7030181-03	W7030181-04
Client ID	MW-8	MW-10	MW-7	MW-2
Date Sampled	03/11/97	03/11/97	03/11/97	03/11/97
Date Analyzed	03/17/97	03/17/97	03/17/97	03/17/97
Dilution Factor	1.00	1.00	1.00	1.00

Analyte	Reporting		Concentration:			
	Limit	Units				
MTBE	5.0	ug/L	< 5.0	7.0	< 5.0	< 5.0
Benzene	0.5	ug/L	< 0.5	< 0.5	< 0.5	< 0.5
Toluene	0.5	ug/L	< 0.5	< 0.5	< 0.5	< 0.5
Ethylbenzene	0.5	ug/L	< 0.5	< 0.5	< 0.5	< 0.5
Xylenes (total)	0.5	ug/L	< 0.5	< 0.5	< 0.5	< 0.5
BTEX (total)	--	ug/L	--	--	--	--
TPH as Gasoline	50	ug/L	< 50	< 50	< 50	< 50

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020A:

Gasoline range hydrocarbons (TPH) quantitated by GC/FID with purge and trap and modified EPA Method 8015. Analyte list modified to include additional compounds. "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update II.

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: GTR01CHV08

Login Number: W7030181

Project ID (number): 5290.80

Project ID (name): CHEVRON/9-5542/7007 SAN RAMON VALLEY RD/DUBLIN/CA

Method: EPA 8020A

Matrix: Aqueous

NEI/GTEL Sample Number	W7030181-05	W7030181-06	W7030181-07	W7030181-08
Client ID	MW-6	MW-3	MW-9	MW-4
Date Sampled	03/11/97	03/11/97	03/11/97	03/11/97
Date Analyzed	03/17/97	03/17/97	03/17/97	03/17/97
Dilution Factor	1.00	1.00	10.0	10.0

Analyte	Reporting		Concentration:			
	Limit	Units				
MTBE	5.0	ug/L	< 5.0	32.	63.	84.
Benzene	0.5	ug/L	< 0.5	< 0.5	850	2600
Toluene	0.5	ug/L	< 0.5	3.1	37.	920
Ethylbenzene	0.5	ug/L	< 0.5	< 0.5	310	780
Xylenes (total)	0.5	ug/L	< 0.5	0.7	930	2200
BTEX (total)	--	ug/L	--	3.8	2100	6500
TPH as Gasoline	50	ug/L	80	1400	13000	23000

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020A:

Gasoline range hydrocarbons (TPH) quantitated by GC/FID with purge and trap and modified EPA Method 8015. Analyte list modified to include additional compounds. "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update II.

ANALYTICAL RESULTS
Volatile Organics

NEI/GTEL Client ID: GTR01CHV08
 Login Number: W7030181
 Project ID (number): 5290.80
 Project ID (name): CHEVRON/9-5542/7007 SAN RAMON VALLEY RD/DUBLIN/CA

Method: EPA 8020A
 Matrix: Aqueous

NEI/GTEL Sample Number	W7030181-09	W7030181-10	--	--
Client ID	MW-1	TBLB	--	--
Date Sampled	03/11/97		--	--
Date Analyzed	03/17/97	03/17/97	--	--
Dilution Factor	100.	1.00	--	--

Analyte	Reporting		Concentration:		--	--
	Limit	Units				
MTBE	5.0	ug/L	< 500	< 5.0	--	--
Benzene	0.5	ug/L	11000	< 0.5	--	--
Toluene	0.5	ug/L	13000	< 0.5	--	--
Ethylbenzene	0.5	ug/L	1000	< 0.5	--	--
Xylenes (total)	0.5	ug/L	6500	< 0.5	--	--
BTEX (total)	--	ug/L	32000	--	--	--
TPH as Gasoline	50	ug/L	76000	< 50	--	--

Notes:

Dilution Factor:

Dilution factor indicates the adjustments made for sample dilution.

EPA 8020A:

Gasoline range hydrocarbons (TPH) quantitated by GC/FID with purge and trap and modified EPA Method 8015. Analyte list modified to include additional compounds. "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition including promulgated Update II.

NEI/GTEL Client ID: GTR01CHV08

QUALITY CONTROL RESULTS

Login Number: W7030181

Volatile Organics

Project ID (number): 5290.80

Method: EPA 8020A

Project ID (name): CHEVRON/9-5542/7007 SAN RAMON VALLEY RD/DUBLIN/CA

Matrix: Aqueous

Conformance/Non-Conformance Summary

(X = Requirements Met * = See Comments -- = Not Required NA = Not Applicable)

Conformance Item	Volatile Organics	Semi-Volatile Organics	Inorganics (MT, WC)
GC/MS Tune	--	--	NA
Initial Calibration	--	--	--
Continuing Calibration	X	--	--
Surrogate Recovery	X	--	NA
Holding Time	X	--	--
Method Accuracy	X	--	--
Method Precision	X	--	--
Blank Contamination	X	--	--

Comments:

NEI/GTEL Client ID: GTR01CHV08
Login Number: W7030181
Project ID (number): 5290.80
Project ID (name): CHEVRON/9-5542/7007 SAN RAMON VALLEY RD/DUBLIN/CA

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020A
Matrix: Aqueous

Surrogate Results

QC Batch No.	Reference	Sample ID	TFT
Method: EPA 8020A Acceptability Limits:			43-136%
031797GC14-1	CV0317972014	Calibration Verifi	127.
031797GC14-11	DP03018109	Duplicate	99.6
031797GC14-4	BW03179714	Method Blank Water	103.
031797GC14-9	MS03018101	Matrix Spike	94.7
--	03018101	MW-8	85.4
--	03018102	MW-10	90.3
--	03018103	MW-7	93.7
--	03018104	MW-2	98.3
--	03018105	MW-6	92.4
--	03018106	MW-3	111.
--	03018107	MW-9	115.
--	03018108	MW-4	123.
--	03018109	MW-1	97.6
--	03018110	TBLB	96.0

Notes:

*: Indicates values outside of acceptability limits. See Nonconformance Summary.

Project ID (Number): 5290.80
Project ID (Name): Chevron SS #9-5542
7007 San Ramon Valley
Rd.
Dublin, CA
Work Order Number: W7-03-0181
Date Reported: 03-18-97

METHOD BLANK REPORT

Volatile Organics in Water
EA Method 8020A

Date of Analysis: 17-Mar-97 QC Batch No: 031797GC14-4

Analyte	Concentration, ug/L
MTBE	<5.0
Benzene	<0.5
Toluene	<0.5
Ethylbenzene	<0.5
Xylene (total)	<0.5
TPH as Gasoline	<50

NEI/GTEL Client ID: GTR01CHV08
Login Number: W7030181
Project ID (number): 5290.80
Project ID (name): CHEVRON/9-5542/7007 SAN RAMON VALLEY RD/DUBLIN/CA

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020A
Matrix: Aqueous

Calibration Verification Sample Summary

Analyte	Spike Amount	Check Sample Concentration	QC Percent Recovery	Acceptability Limits Recovery
EPA 8020A	Units:ug/L	QC Batch:031797GC14-1		
Benzene	20.0	19.0	95.0	77-123%
Toluene	20.0	18.2	91.0	77.5-122.5%
Ethylbenzene	20.0	16.9	84.5	63-137%
Xylenes (Total)	60.0	56.6	94.3	85-115%
TPH as Gasoline	500	505	101	80-120%

Notes:

QC check source: Supelco #LA12389

NEI/GTEL Client ID: GTR01CHV08
Login Number: W7030181
Project ID (number): 5290.80
Project ID (name): CHEVRON/9-5542/7007 SAN RAMON VALLEY RD/DUBLIN/CA

QUALITY CONTROL RESULTS

Volatile Organics
Method: EPA 8020A
Matrix: Aqueous

Duplicate Sample Results

Analyte	Original Concentration	Duplicate Concentration	RPD, %	Acceptability Limits, %
EPA 8020A	Units: ug/L	QC Batch: 031797GC14-11	GTEL Sample ID: W7030181-09	Client ID: MW-1
MTBE	< 1000	< 1000	NA	20
Benzene	11400	11100	2.67	23.9
Toluene	12600	12400	1.60	27.2
Ethylbenzene	1020	979	4.10	21.6
Xylenes (Total)	6490	6320	2.65	22.0
TPH as Gasoline	75700	73900	2.41	20

Notes:

NA - The concentration of the analyte is less than the reporting limit.